

Title (en)

Apparatus for harvesting mushrooms and the like.

Title (de)

Vorrichtung zum Ernten von Pilzen und ähnlichen Pflanzen.

Title (fr)

Appareil pour la récolte des champignons et plantes analogues.

Publication

EP 0100207 A2 19840208 (EN)

Application

EP 83304230 A 19830721

Priority

IE 175982 A 19820722

Abstract (en)

The invention is concerned with apparatus for harvesting mushrooms and the like. The apparatus comprises cutting means such as a knife which may be moved over a mushroom bed to sever mushrooms in the bed and lifting means (2) for removing the severed mushrooms from the bed and transferring them to collecting means (3). The lifting means (2) comprises an air mover. The air mover is comprised of a cylindrical chamber or bore having an inlet disposed above the cutting means (1) and an outlet communicating with the collecting means (3). Compressed air is directed into the chamber through an annular orifice which is so profiled to cause the air stream to flow towards the outlet. A zone of low pressure is created adjacent the chamber inlet which draws ambient air into the chamber. The cut mushrooms are lifted into the chamber, are entrained in the stream of air passing through the chamber, and are delivered onto the collecting means (3) which preferably is a conveyor (6). In a preferred embodiment, the knife (1) and lifting means (2) are mounted on the end of an elongate conveyor frame (4) which is movable horizontally and vertically about a support column (20) so as to impart maximum manoeuvrability to the cutting knife (1) and lifting means (2).

IPC 1-7

A01D 45/00

IPC 8 full level

A01D 45/00 (2006.01)

CPC (source: EP US)

A01G 18/70 (2018.01 - EP US)

Cited by

EP0954988A1; NL2032382B1; US5035109A; US5471827A; DE102019113516A1; WO2021161142A1; WO9111902A1; WO9300793A1; WO2024008827A1; EP3750394B1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0100207 A2 19840208; EP 0100207 A3 19840801; AU 1715683 A 19840126; CA 1213442 A 19861104; IE 821759 L 19840122; US 4545186 A 19851008

DOCDB simple family (application)

EP 83304230 A 19830721; AU 1715683 A 19830721; CA 432930 A 19830721; IE 175982 A 19820722; US 51576483 A 19830721